

## WHAT IS CLAIMED IS:

1. A pneumatic handheld grinding apparatus comprising:
  - a housing including a cavity longitudinally defined therein for receiving a motor set and a threaded portion formed on an inner periphery of the cavity near a bottom of the housing, a joint laterally  
5 extending from the housing and adapted to be connected to a compressed air source, a valve mounted in the joint for selectively allowing the compressed air flowing into the housing to operate the motor set, a lever pivotally mounted to the joint for actuating the valve;  
10 the motor set including a motor received in the cavity and having a shaft longitudinally extending from the motor, a connector eccentrically securely mounted to a free end of the shaft and a grinding disk attached to the connector so that the grinding disk is rotated when the compressed air flows into the housing and operates the motor; and  
15 a locking member securely mounted to the housing to hold the motor set in place, the locking member including a through hole centrally defined therein to allow the connector and the shaft of the motor set extending through the locking member when the locking member is mounted to the housing, a first skirt upwardly extending  
20 from the locking member and having a threaded outer periphery screwed onto the threaded portion of the housing and a top portion securely abutting the motor to hold motor set in place after the locking member screwed onto the housing.

2. The pneumatic handheld grinding apparatus as claimed in claim 1, wherein the locking comprises a second skirt downward extending therefrom, the second skirt including an annular rib laterally outwardly extending from an outer periphery of the second skirt, a  
5 dust-proof cover attached to the second skirt and engaged to the annular rib to prevent the dust-proof cover from detaching from the locking member.

3. The pneumatic handheld grinding apparatus as claimed in claim 2, wherein the locking member comprises a series of indentations  
10 defined in the outer periphery of the second skirt for user to easily mount the locking member to the housing.